LAMPIRAN

Lampiran 1

Hasil Uji Angka Lempeng Total

Pengenceran / Perlakuan	10^{-4}	10^{-5}	10^{-6}	10^{-7}	10^{-8}	10^{-9}	Jml. Bakteri (Sel/gram)
K_0	216	131	7				$7{,}83 \times 10^6$
	186	142	8				
K_1		95	40	181			$3{,}171 \times 10^7$
		45	73	10			
K_2				3	3	11	$9{,}5 \times 10^9$
				TMCC	95	4	
$P_0\ R_0$	25	0	10				$2{,}5 \times 10^5$
	TMCC	6	1				
$P_1\ R_0$	TMCC	TMCC	3				$10{,}7 \times 10^5$
	107	33	18				
$P_2\ R_0$	37	4	8				$3{,}2 \times 10^5$
	27	7	10				
$P_0\ R_1$				10	98	2	$1{,}0 \times 10^8$
				Spreader	7	5	
$P_1\ R_1$			61	41	18		$3{,}55 \times 10^8$
			25	30	23		
$P_2\ R_1$			Spreader	11	12		$1{,}1 \times 10^8$
			6	6	152		
$P_0\ R_2$				104	34	16	$1{,}04 \times 10^9$
				8	3	26	
$P_1\ R_2$				173	124	105	$4{,}24 \times 10^9$
				33	25	69	
$P_2\ R_2$				Spreader	6	0	$7{,}3 \times 10^8$
				73	30	0	

Lampiran 2

Hasil angka lempeng total ikan kakap setelah penambahan kombinasi asap cair dan kadar garam (CFU/g)

R / P	R_0	R_1	R_2
P_0	$2,5 \times 10^5$	$1,0 \times 10^8$	$1,04 \times 10^9$
P_1	$1,07 \times 10^6$	$3,55 \times 10^8$	$4,24 \times 10^9$
P_2	$3,2 \times 10^5$	$1,1 \times 10^8$	$7,3 \times 10^8$

Kontrol	K_0	K_1	K_2
	$7,83 \times 10^6$	$3,17 \times 10^7$	$9,5 \times 10^9$

Keterangan:

K_0 : Kontrol (tanpa penambahan asap cair dan garam) hari ke- 0
K_1 : Kontrol (tanpa penambahan asap cair dan garam) hari ke- 1
K_2 : Kontrol (tanpa penambahan asap cair dan garam) hari ke- 2
P_0 : Dosis asap cair 0 % : garam 20 %
P_1 : Dosis asap cair 1 % : garam 20 %
P_2 : Dosis asap cair 2 % : garam 20 %
R_0 : Lama penyimpanan 0 hari
R_1 : Lama penyimpanan 2 hari
R_2 : Lama penyimpanan 4 hari

Lampiran 3

Hasil Perhitungan Total Mikrobia

1. K_0 (Kontrol hari ke 0)

$X_4 = \frac{216 + 186}{2} = \frac{402}{2} = 201 \times 10^4 = 2{,}01 \times 10^6$

$X_5 = \frac{131 + 142}{2} = \frac{273}{2} = 136{,}5 \times 10^5 = 13{,}65 \times 10^6$

$\frac{X_4}{X_5}$ □ 2

$\frac{2{,}01 \times 10^6}{13{,}65 \times 10^6}$ □ 2 ⇨ $\frac{2{,}01 \times 10^6 + 13{,}65 \times 10^6}{2}$

$= \frac{15{,}66 \times 10^6}{2}$

$= \mathbf{7{,}83 \times 10^6}$

2. K_1 (Kontrol hari ke 1)

$X_5 = \frac{95 + 45}{2} = \frac{140}{2} = 70 \times 10^5 = 7 \times 10^6$

$X_6 = \frac{40 + 73}{2} = \frac{113}{2} = 56{,}5 \times 10^6$

$\frac{X_4}{X_5}$ □ 2

$$\frac{7 \times 10^6}{56{,}5 \times 10^6} \quad \square\ 2 \Longrightarrow \frac{7 \times 10^6 + 56{,}5 \times 10^6}{2}$$

$$= \frac{63{,}5 \times 10^6}{2}$$

$$= \mathbf{31{,}75 \times 10^6}$$

3. K_2 (Kontrol hari ke 2)

$$\frac{X_8}{X_9} \geq 2$$

$$\frac{95}{28} \geq 2 \Longrightarrow 95 \times 10^8 = \mathbf{9{,}5 \times 10^9}$$

4. P_1 (perlakuan 0% Asap Cair, 20% garam. Hari ke 0)

$X_4 = 25 \times 10^4$

$= \mathbf{2{,}5 \times 10^5}$

5. P_2 (perlakuan 1% Asap Cair, 20% garam. Hari ke 0)

$$\frac{X_4}{X_5} \geq 2$$

$$\frac{107}{33} \geq 2 \Longrightarrow 107 \times 10^4 = \mathbf{10{,}7 \times 10^5}$$

6. $\overline{P_3}$ (perlakuan 2% Asap Cair, 20% garam. Hari ke 0)

$$\overline{X_4} = \frac{37 + 27}{2} = \frac{64}{2} = 32 \times 10^4 = \mathbf{3{,}2 \times 10^5}$$

7. P_4 (perlakuan 0% Asap Cair, 20% garam. Hari ke 2)

   $X_8 = 98 \times 10^8$

   $= \mathbf{9{,}8 \times 10^9}$

8. P_5 (perlakuan 1% Asap Cair, 20% garam. Hari ke 2)

   $X_7 = \frac{41 + 30}{2} = \frac{71}{2} = 35{,}5 \times 10^7 = \mathbf{3{,}55 \times 10^8}$

9. P_6 (perlakuan 2% Asap Cair, 20% garam. Hari ke 2)

   $X_8 = 152 \times 10^8$

   $= \mathbf{15{,}2 \times 10^9}$

10. P_7 (perlakuan 0% Asap Cair, 20% garam. Hari ke 4)

    $\frac{X_7}{X_8} \geq 2$

    $\frac{104}{34} \geq 2 \Longrightarrow \quad 104 \times 10^7 = \mathbf{1{,}04 \times 10^9}$

11. P_8 (perlakuan 1% Asap Cair, 20% garam. Hari ke 4)

    $X_7 = \frac{173 + 33}{2} = \frac{206}{2} = 103 \times 10^7 = 1{,}03 \times 10^9$

    $X_8 = \frac{124 + 25}{2} = \frac{149}{2} = 74{,}5 \times 10^8 = 7{,}45 \times 10^9$

    $\frac{X_7}{X_8}$ □ 2

$$\frac{1{,}03 \times 10^{9}}{7{,}45 \times 10^{9}} \square 2 \Longrightarrow \frac{1{,}03 \times 10^{9} + 7{,}45 \times 10^{9}}{2}$$

$$= \frac{8{,}48 \times 10^{9}}{2}$$

$$= \mathbf{4{,}24 \times 10^{9}}$$

12. P_9 (perlakuan 2% Asap Cair, 20% garam. Hari ke 4)

$$\frac{X_7}{X_8} \geq 2$$

$$\frac{73}{36} \geq 2 \Longrightarrow 73 \times 10^{7} = \mathbf{7{,}3 \times 10^{8}}$$

Lampiran 4

Dokumen Penelitian

a. Alat dan Bahan

a. Alat Penelitian

Timbangan Digital

Hot Plate dan *magnetic stirer*

Autoklaf

Mikro Pipet

Laminar Air Flow (LAF)

Inkubator

Blue Tip

b. Bahan Penelitian

Ikan kakap merah

Asap cair

2. Metode Penelitian

Penirisan ikan setelah direndam selama 24 jam sesuai perlakuan

Sampel hari ke- 0

Sampel hari ke- 2

Sampel hari ke- 4

Jumlah colony yang tumbuh